Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118848.D
Acq On : 7 Feb 2020 14:08
Operator : CG/JU
Sample : L1431-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 350

Quant Time: Feb 08 03:58:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	241406	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	915486	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	545101	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1087366	20.00	ng	0.00
76) Chrysene-d12	13.97	240	1022906	20.00	ng	-0.01
87) Perylene-d12	15.42	264	1016079	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1253603	98.30	ng	0.00
7) Phenol-d6	6.45	99	1519219	95.96	ng	0.00
23) Nitrobenzene-d5	7.37	82	995876	64.84	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	627141	96.15	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2077956	68.15	ng	-0.01
79) Terphenyl-d14	12.92	244	2883465	57.90	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	254193	6.071	ng	98
37) 2-Methylnaphthalene	8.80	142	304813	10.497	ng	99
38) 1-Methylnaphthalene	8.90	142	191884	7.024	ng	98
46) 1,1'-Biphenyl	9.27	154	87270	2.314	ng	96
50) Dimethylphthalate	9.56	163	112255	3.024	ng	97
52) Acenaphthene	9.88	154	454667	15.244	ng	99
55) Dibenzofuran	10.05	168	486474	11.286	ng	96
58) Fluorene	10.40	166	459525	14.171	ng	97
71) Phenanthrene	11.36	178	1754452	32.793	ng	99
72) Anthracene	11.41	178	195537	3.674	ng	97
75) Fluoranthene	12.54	202	969134	16.591	ng	99
78) Pyrene	12.77	202	678749	9.672	ng	96
81) Benzo(a)anthracene	13.96	228	145729	2.394	ng	98
83) Chrysene	13.99	228	132607	2.171	ng	98

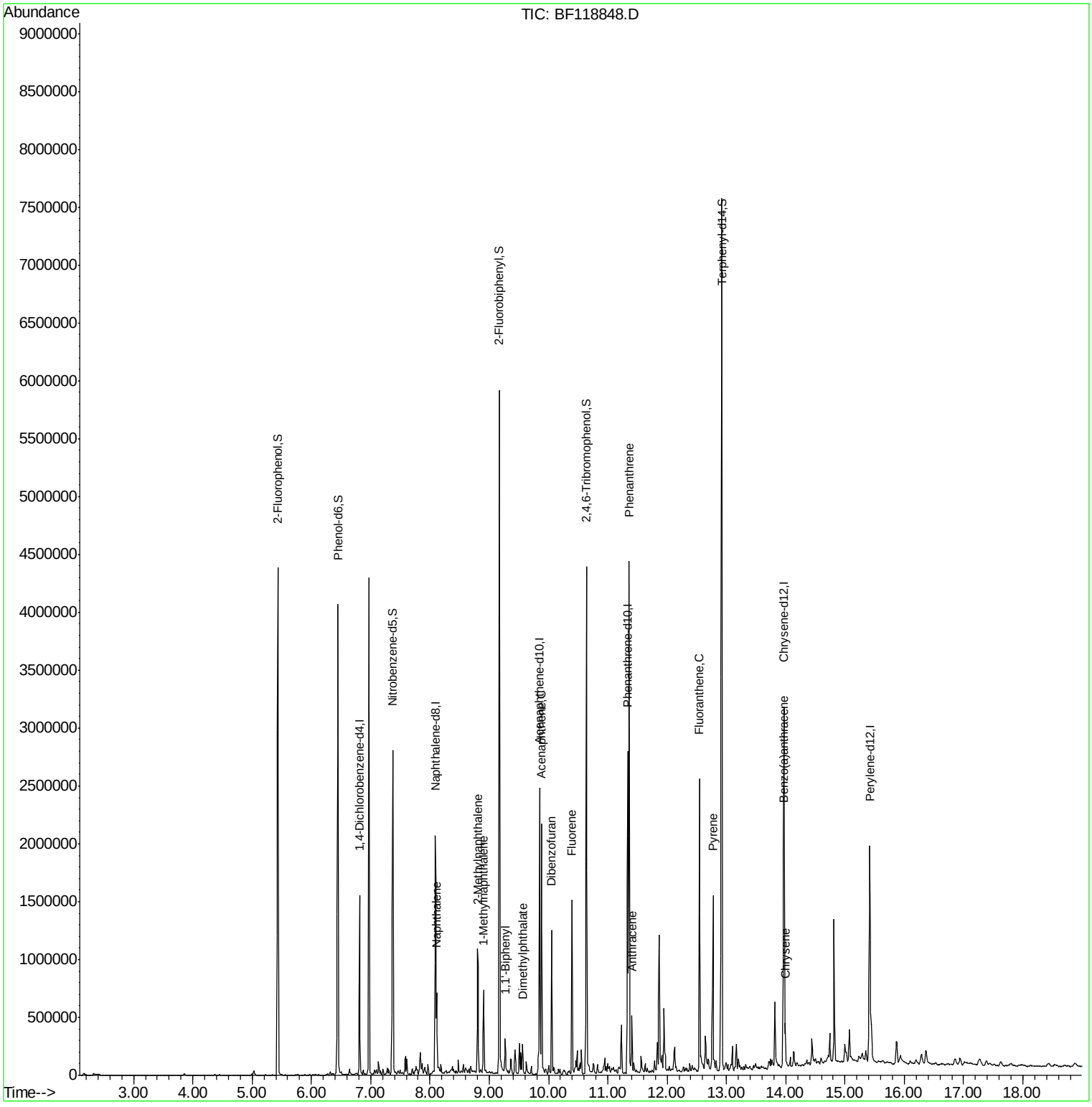
(#) = qualifier out of range (m) = manual integration (+) = signals summed

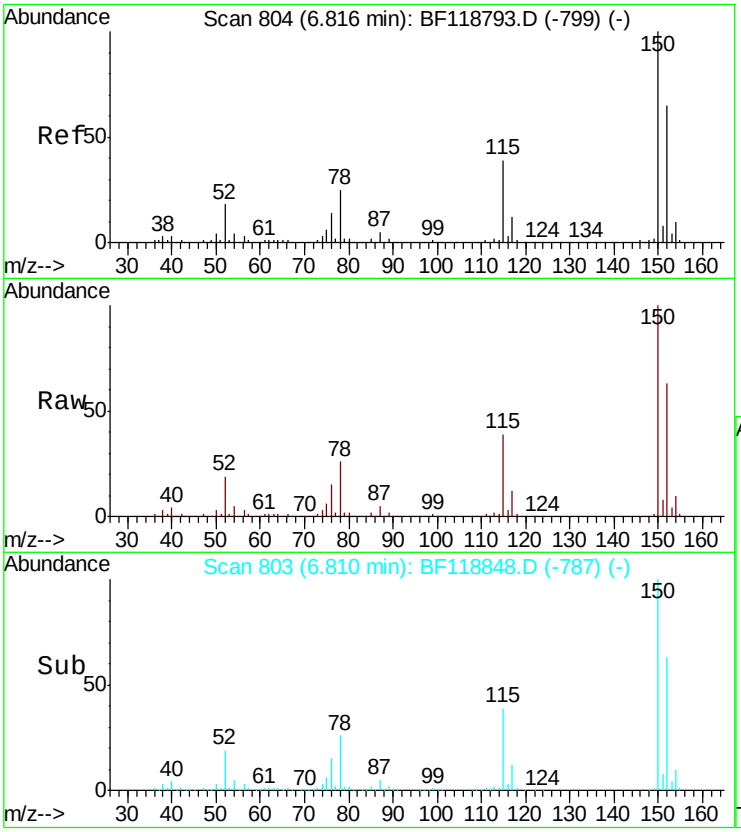
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118848.D
Acq On : 7 Feb 2020 14:08
Operator : CG/JU
Sample : L1431-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
350

Quant Time: Feb 08 03:58:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



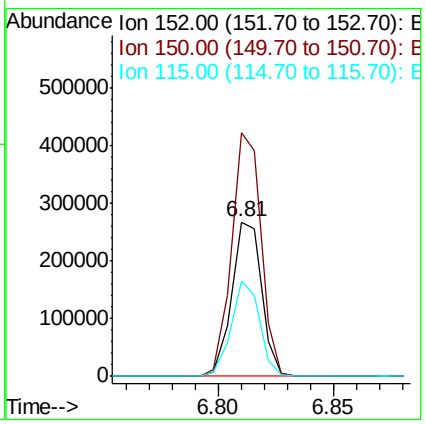


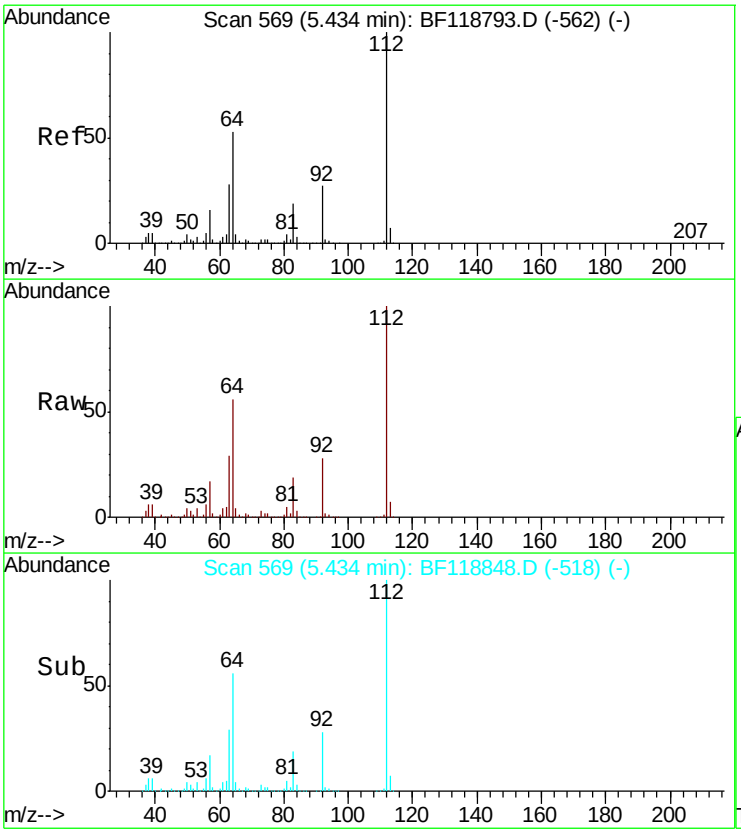
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:152 Resp: 241406

Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.6	185.4
115	62.0	48.2	72.2

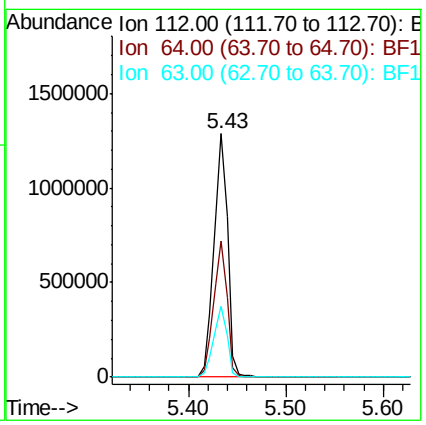


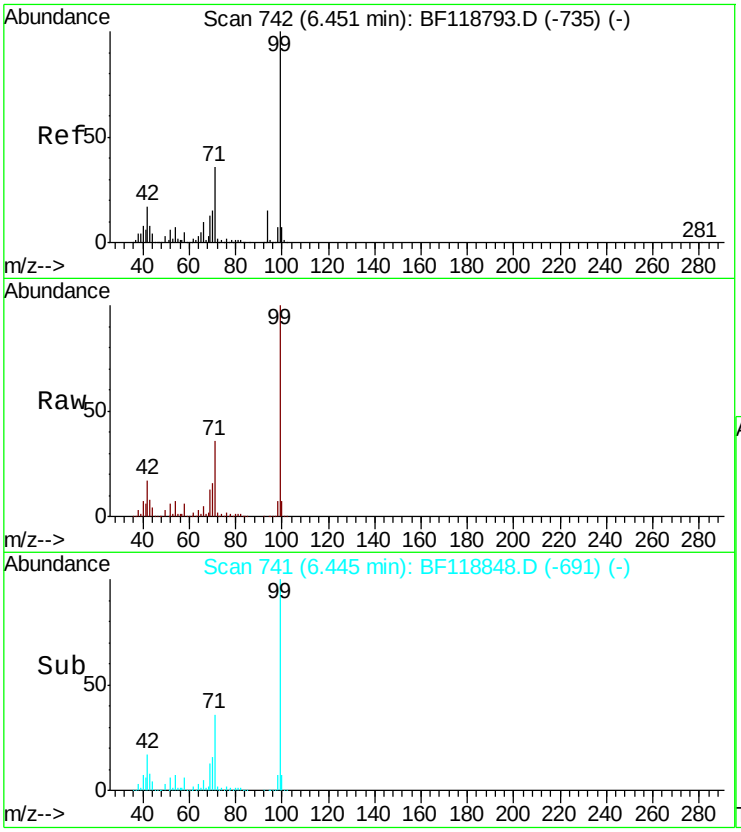


#5
2-Fluorophenol
Concen: 98.298 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:112 Resp: 1253603

Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.6	63.8
63	29.2	22.2	33.4



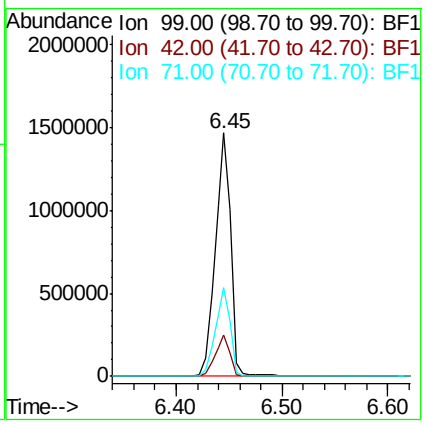


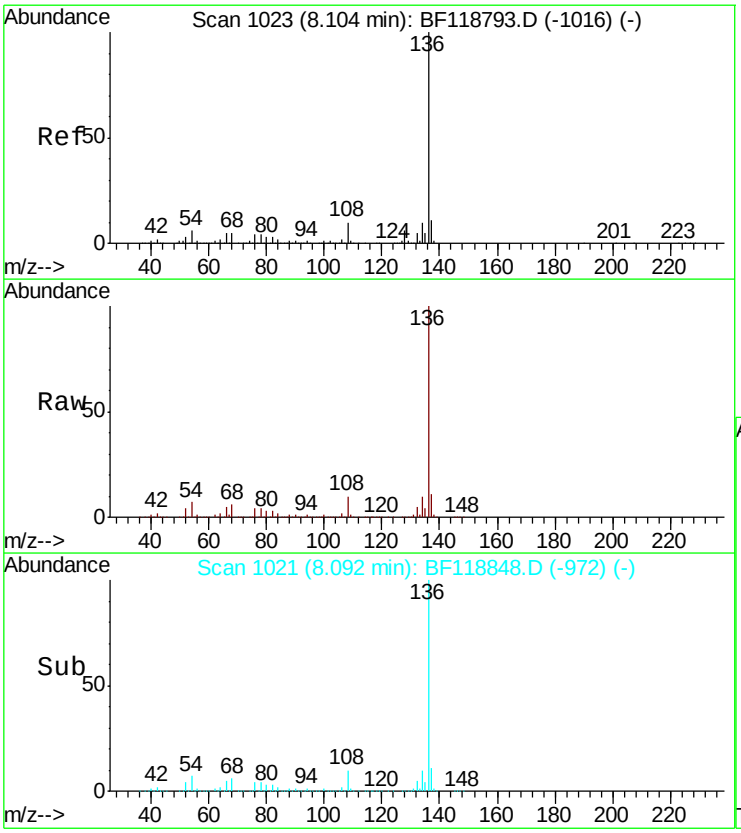
#7
Phenol-d6
Concen: 95.964 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion: 99 Resp: 1519219

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.4	20.0
71	36.3	29.0	43.6

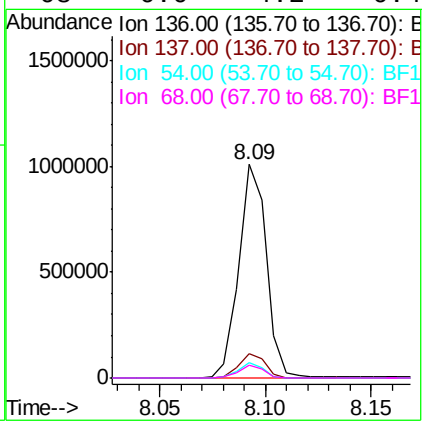


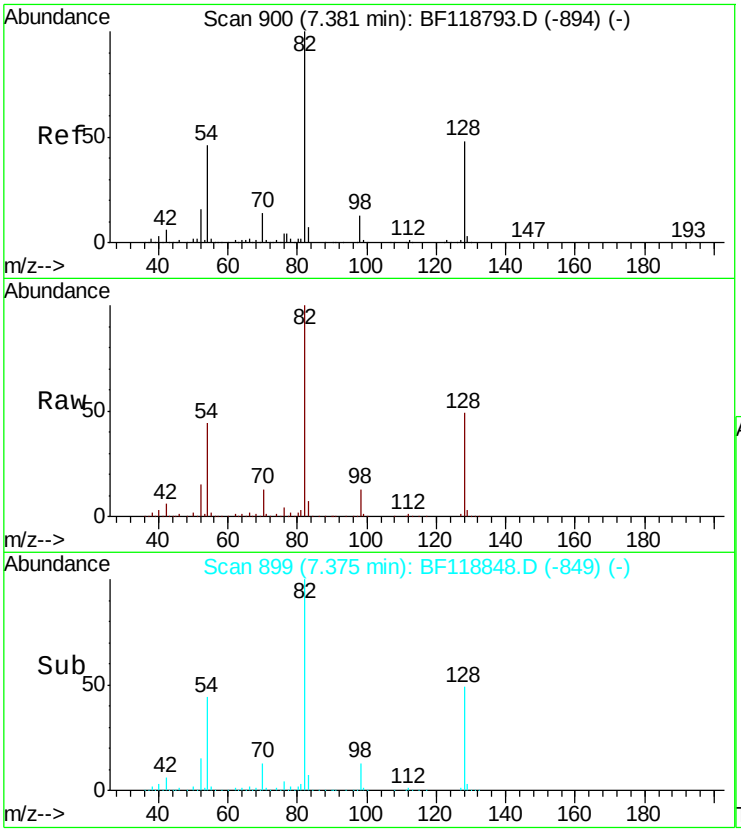


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:136 Resp: 915486

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	7.0	5.0	7.6
68	6.0	4.2	6.4



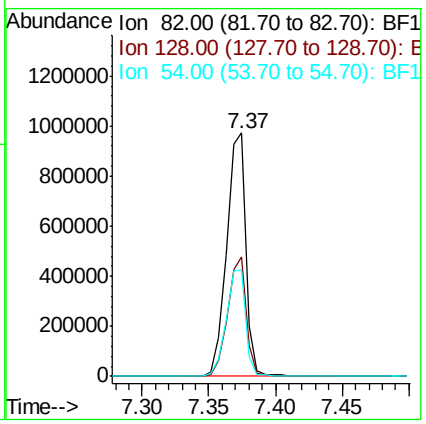


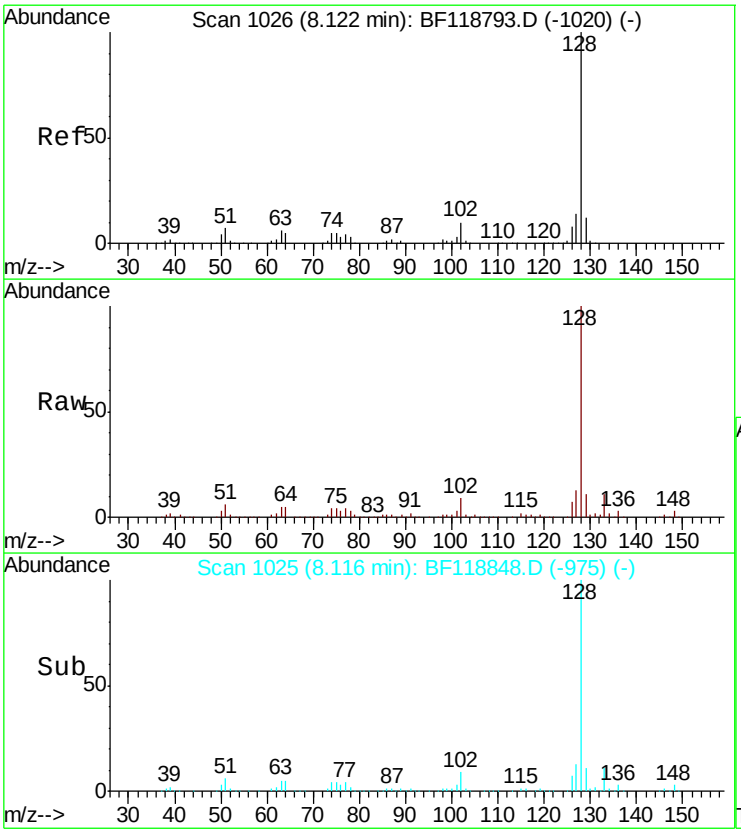
#23
Nitrobenzene-d5
Concen: 64.839 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion: 82 Resp: 995876

Ion	Ratio	Lower	Upper
82	100		
128	49.2	38.5	57.7
54	43.7	36.7	55.1

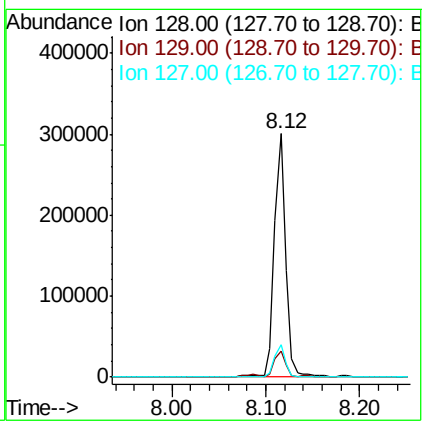


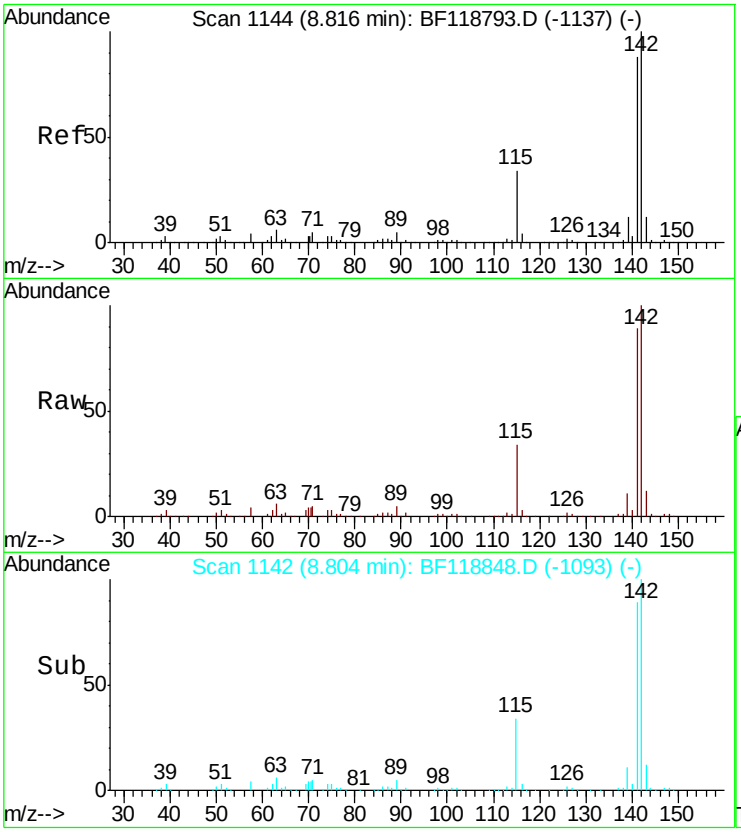


#31
Naphthalene
Concen: 6.071 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:128 Resp: 254193

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.2
127	13.2	11.3	16.9



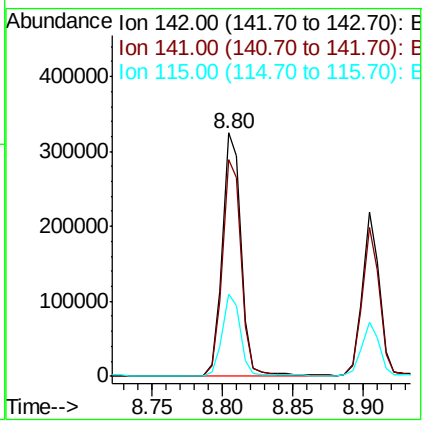


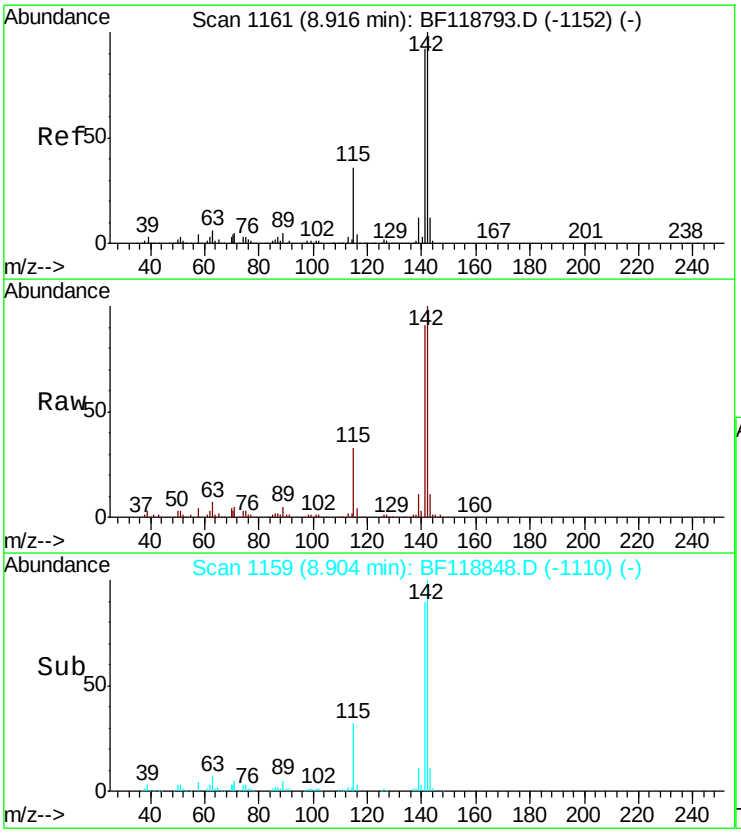
#37
2-Methylnaphthalene
Concen: 10.497 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:142 Resp: 304813

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.1	105.1
115	33.8	27.3	40.9

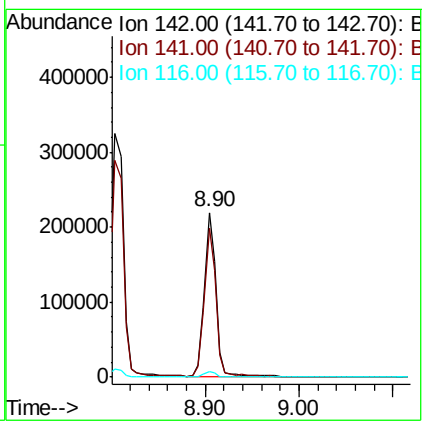


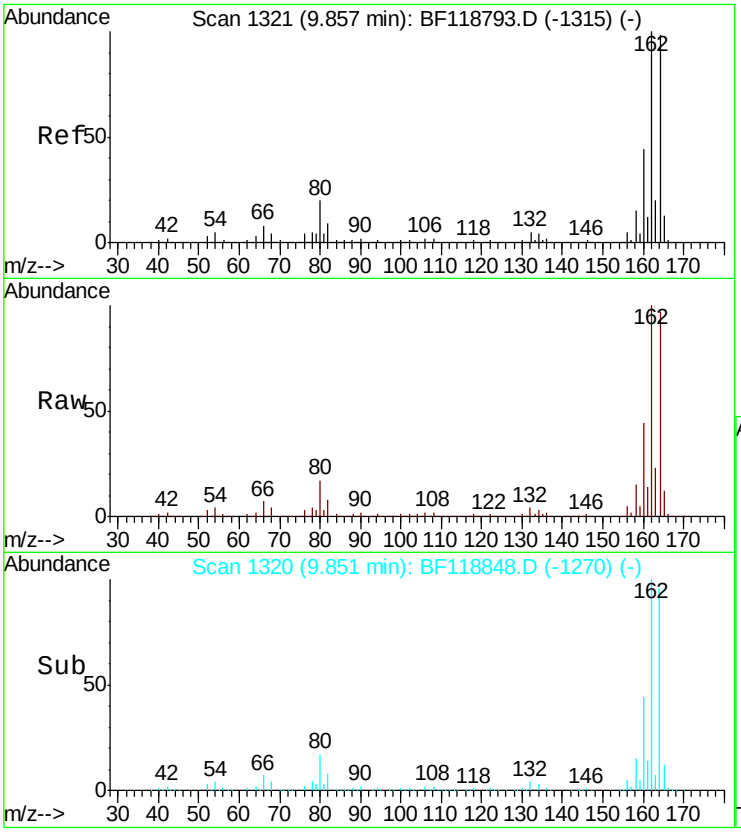


#38
1-Methylnaphthalene
Concen: 7.024 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:142 Resp: 191884

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.8	110.6
116	3.7	3.0	4.4



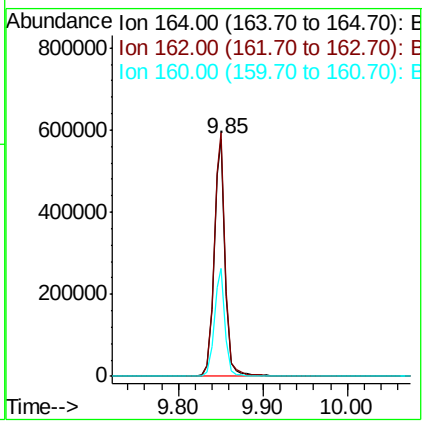


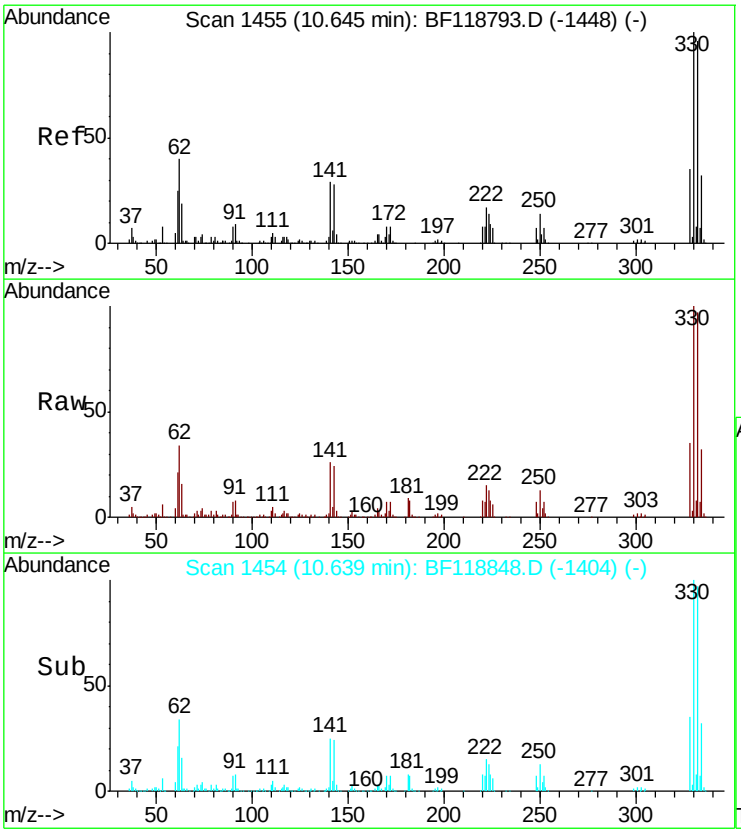
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:164 Resp: 545101

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.4	122.2
160	45.5	35.6	53.4

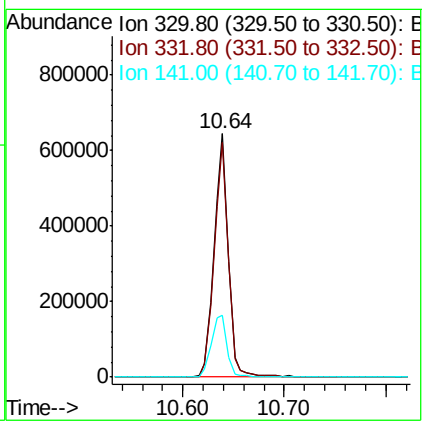


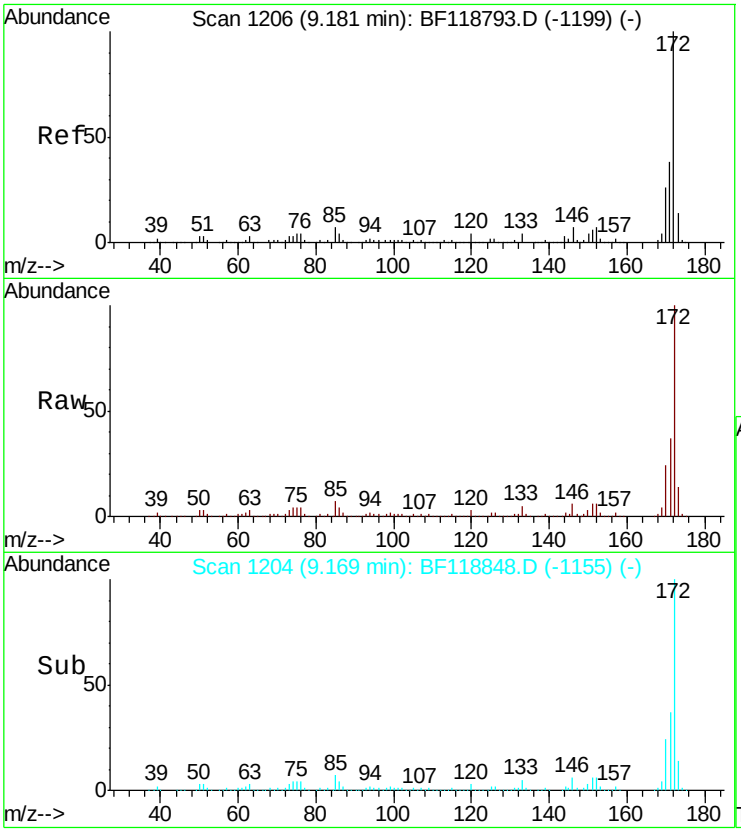


#42
2,4,6-Tribromophenol
Concen: 96.154 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:330 Resp: 627141

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	28.4	22.4	33.6



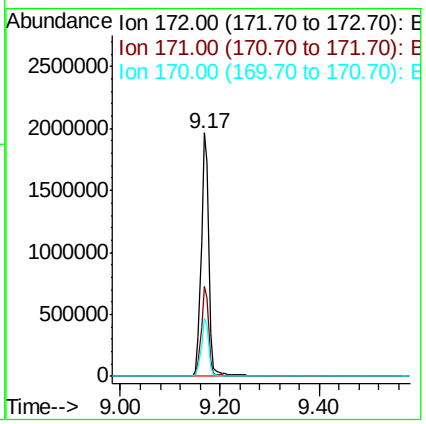


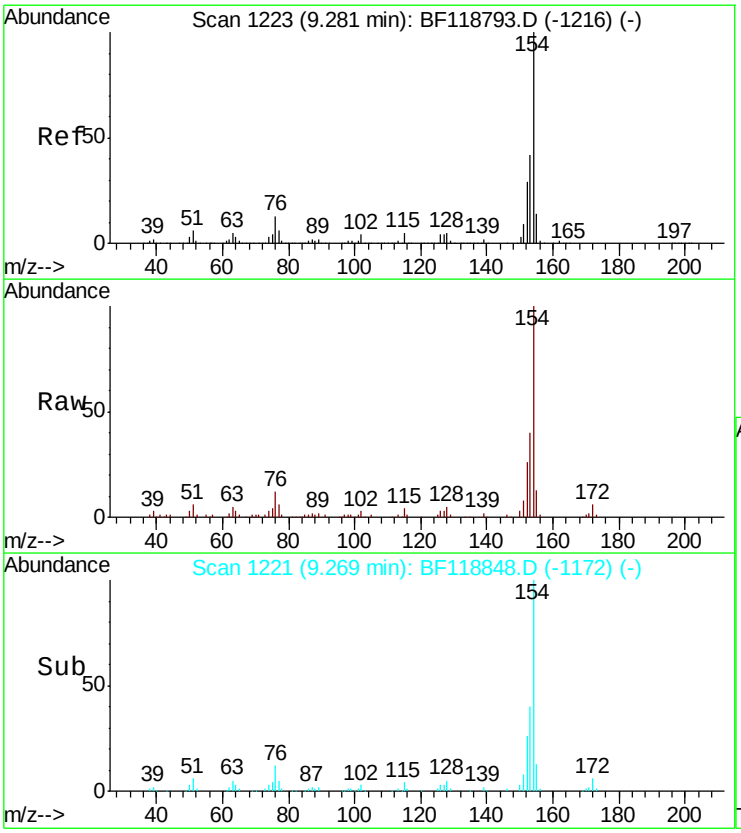
#45
2-Fluorobiphenyl
Concen: 68.148 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:172 Resp: 2077956

Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	23.9	20.5	30.7

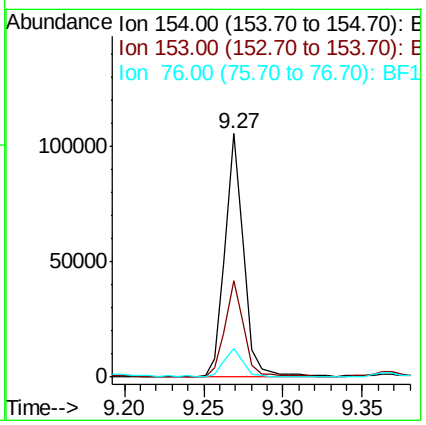


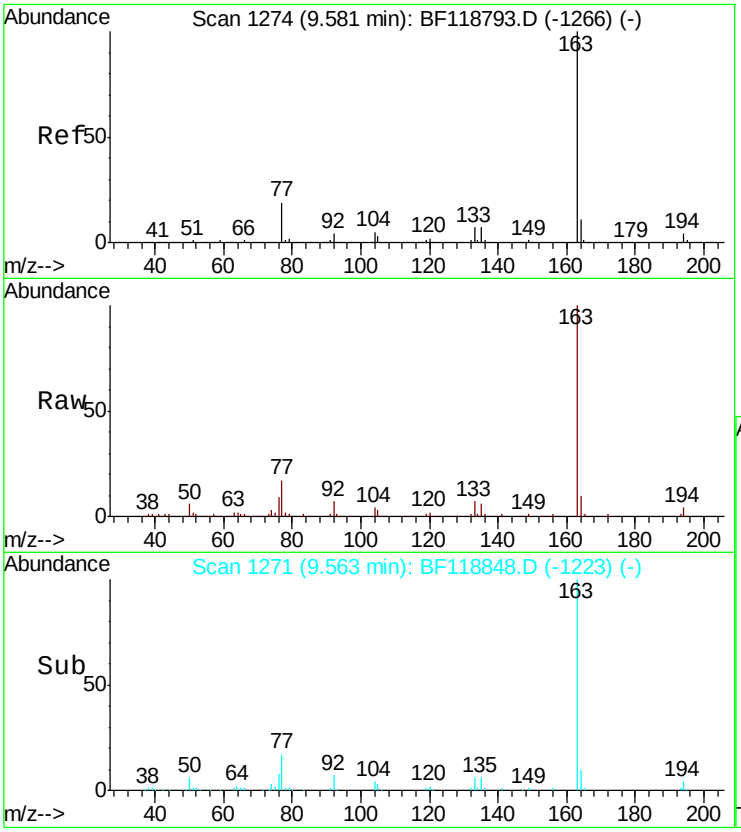


#46
1,1'-Biphenyl
Concen: 2.314 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:154 Resp: 87270

Ion	Ratio	Lower	Upper
154	100		
153	39.7	22.4	62.4
76	11.9	0.0	32.7



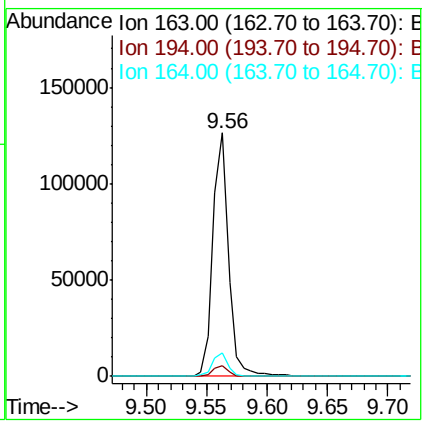


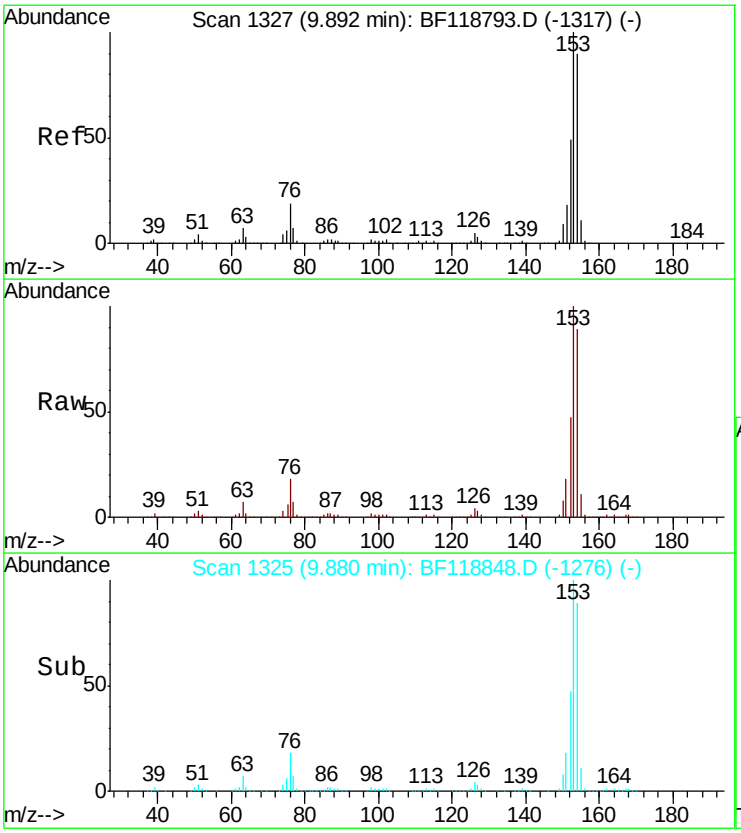
#50
Dimethylphthalate
Concen: 3.024 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:163 Resp: 112255

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	9.5	8.7	13.1

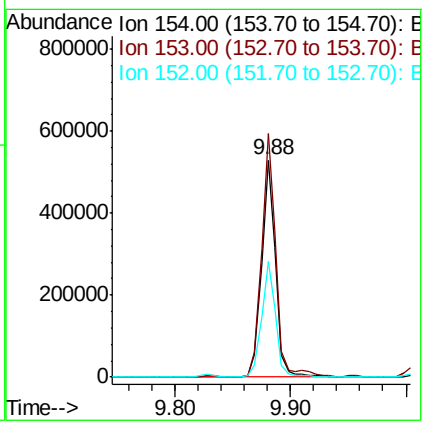


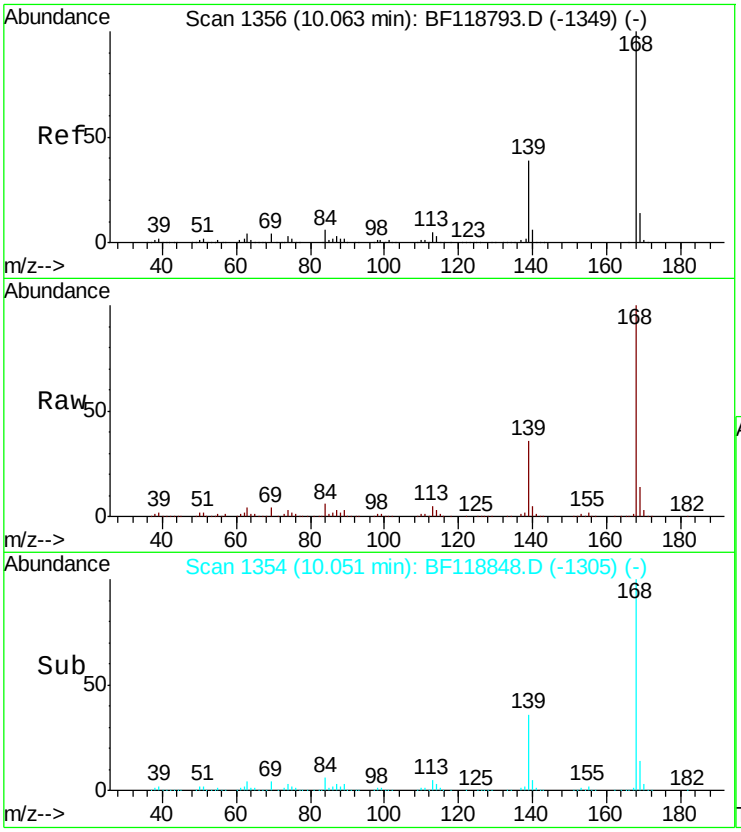


#52
Acenaphthene
Concen: 15.244 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:154 Resp: 454667

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.4	134.0
152	53.2	43.6	65.4



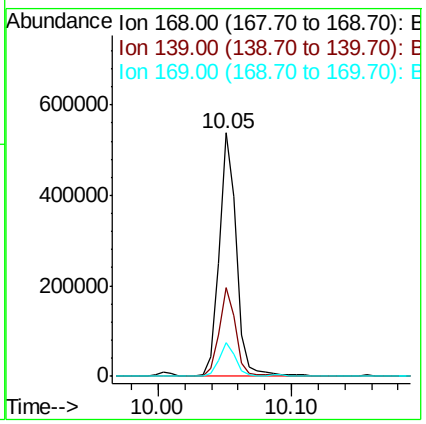


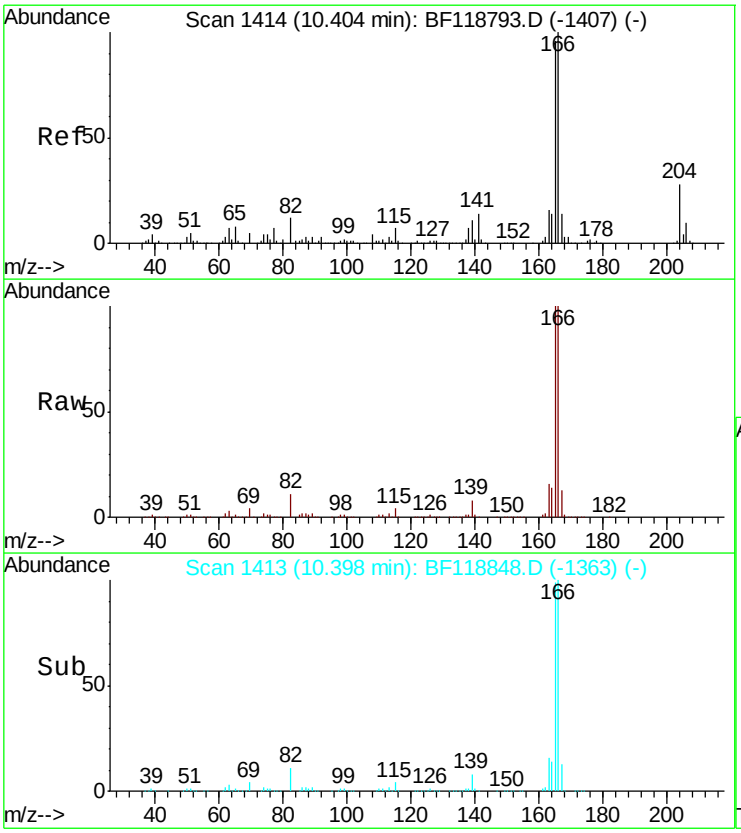
#55
Dibenzofuran
Concen: 11.286 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:168 Resp: 486474

Ion	Ratio	Lower	Upper
168	100		
139	36.3	31.6	47.4
169	13.8	11.4	17.2

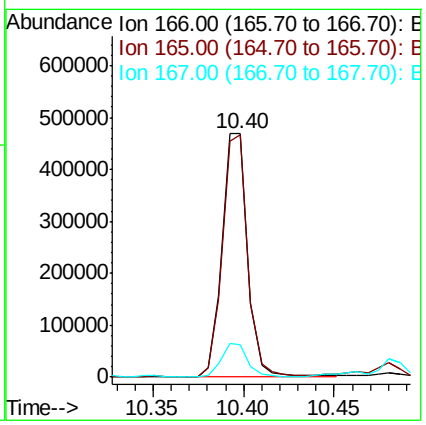


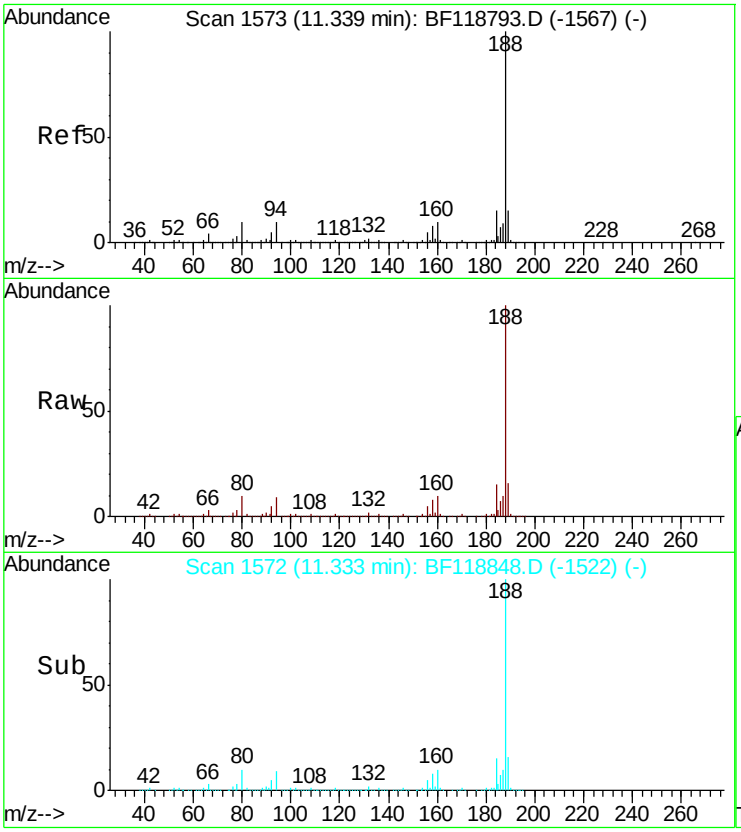


#58
Fluorene
Concen: 14.171 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:166 Resp: 459525

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.0	115.6
167	13.4	11.1	16.7



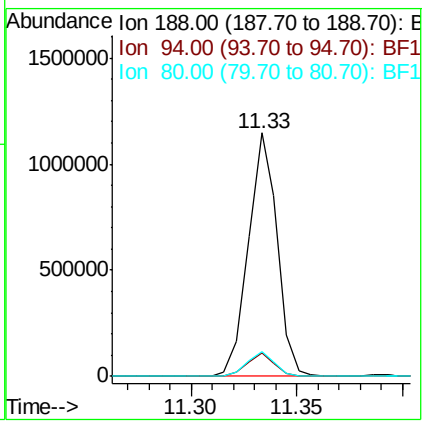


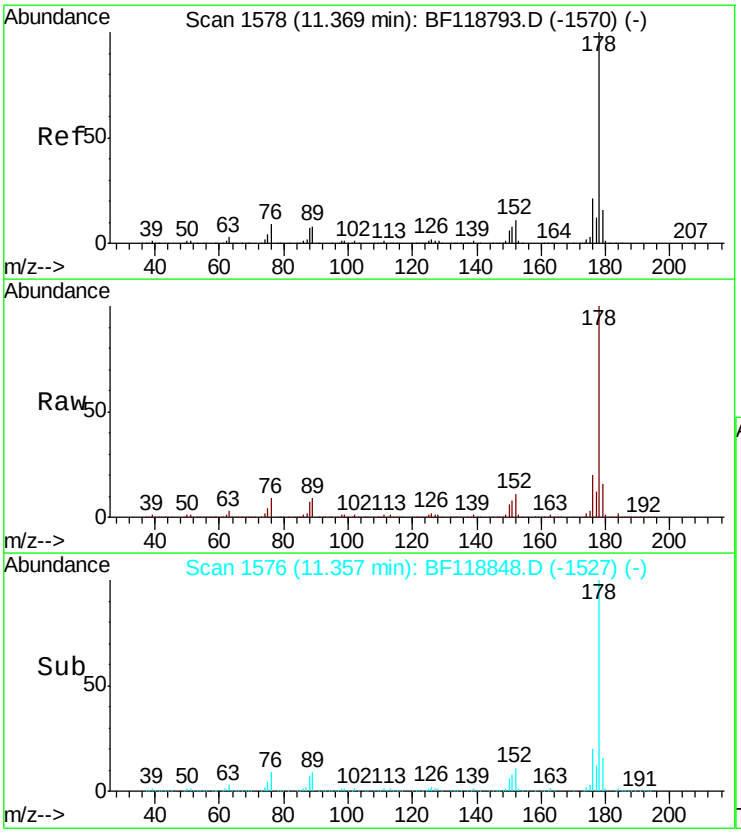
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:188 Resp: 1087366

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.0	8.4	12.6

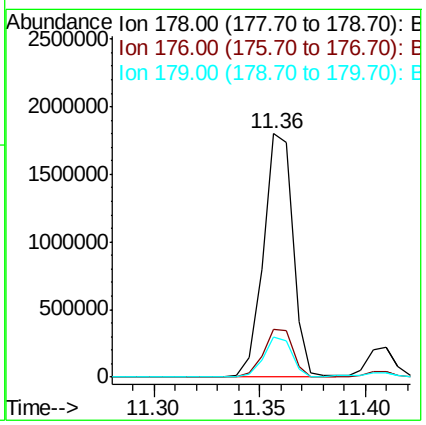


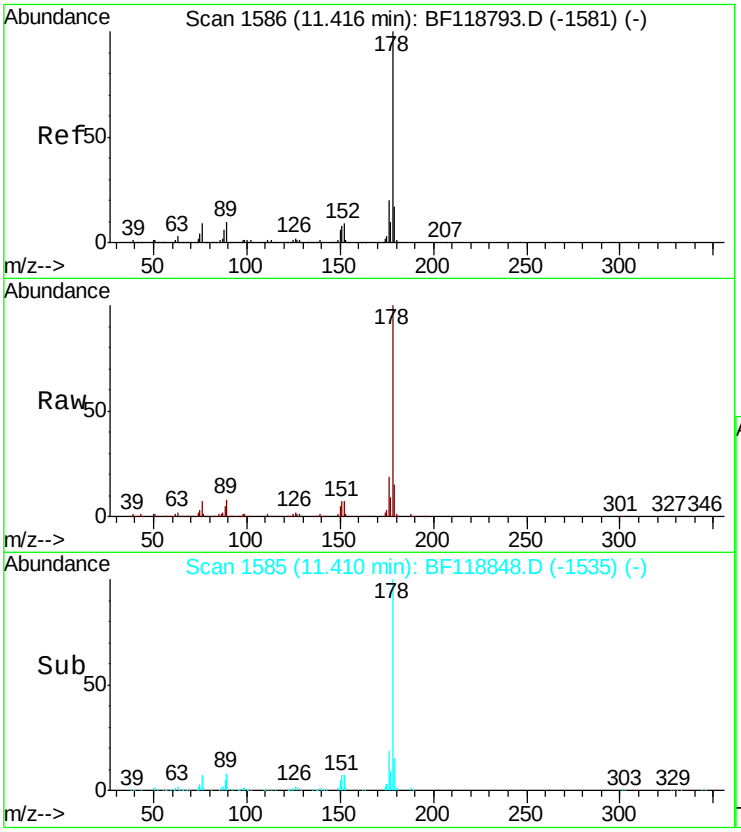


#71
Phenanthrene
Concen: 32.793 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:178 Resp: 1754452

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	24.8
179	16.5	13.2	19.8



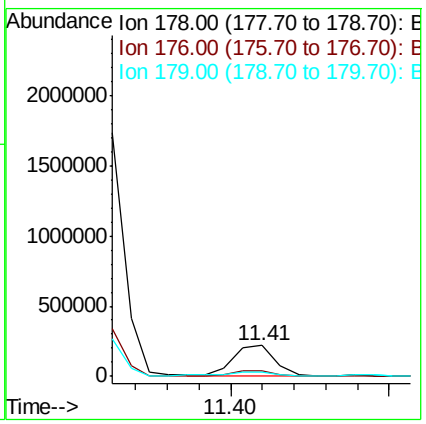


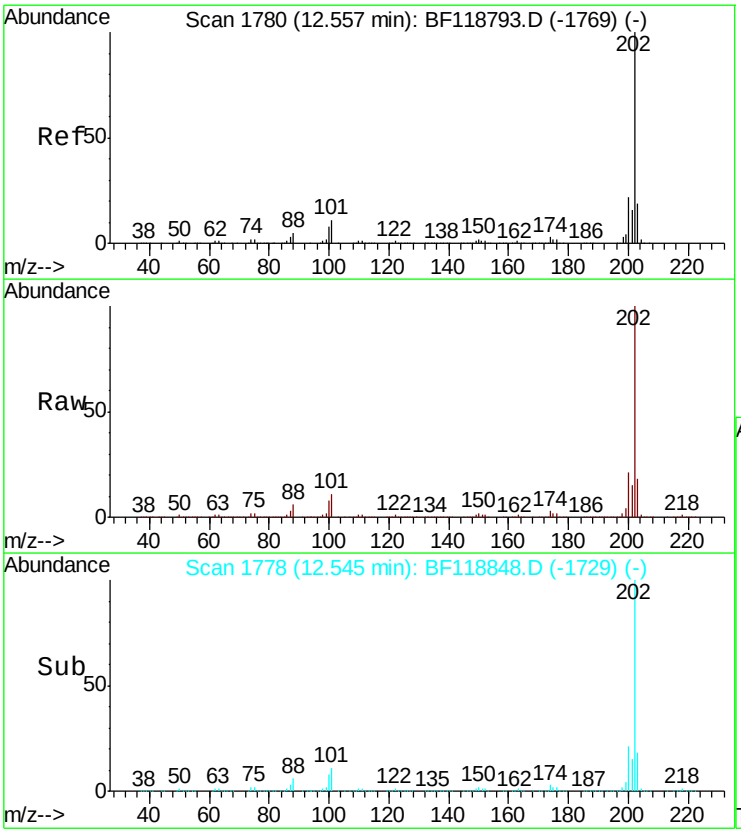
#72
Anthracene
Concen: 3.674 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:178 Resp: 195537

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.2
179	15.4	13.4	20.2

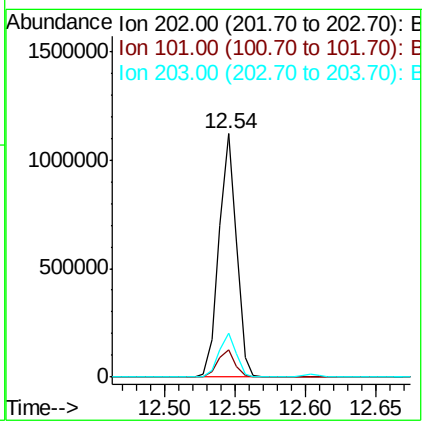


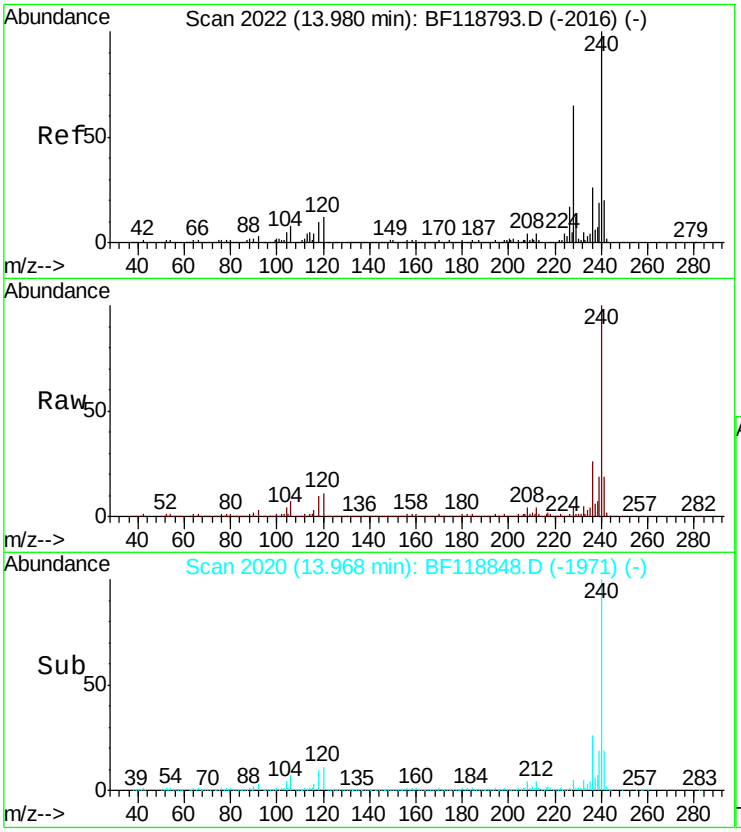


#75
Fluoranthene
Concen: 16.591 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:202 Resp: 969134

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.0
203	18.0	0.0	38.7



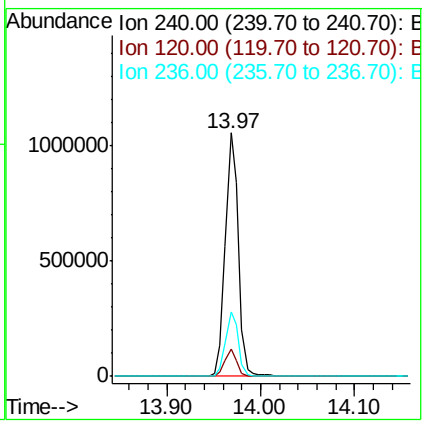


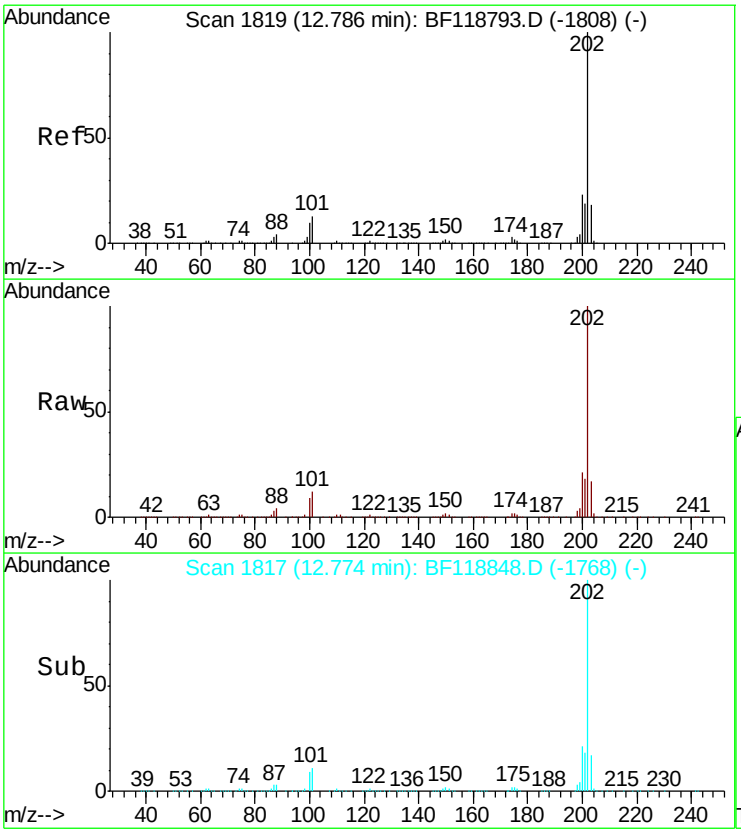
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:240 Resp: 1022906

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.4	14.0
236	26.3	21.0	31.6

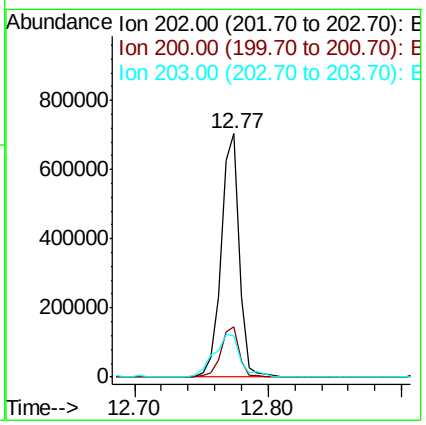


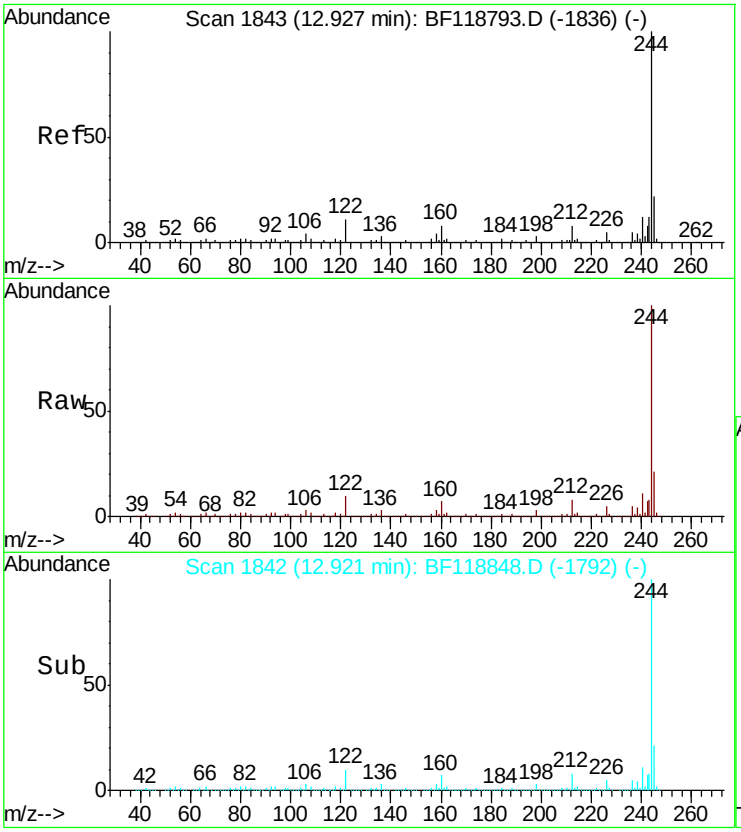


#78
Pyrene
Concen: 9.672 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:202 Resp: 678749

Ion	Ratio	Lower	Upper
202	100		
200	20.7	18.2	27.2
203	17.2	14.8	22.2



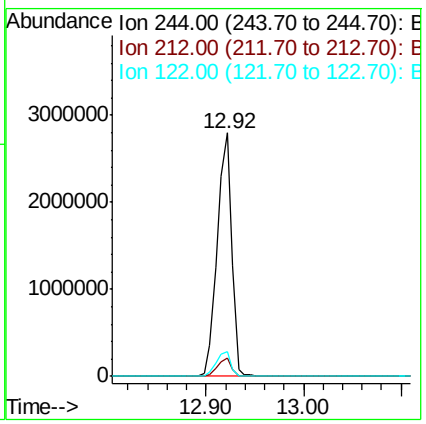


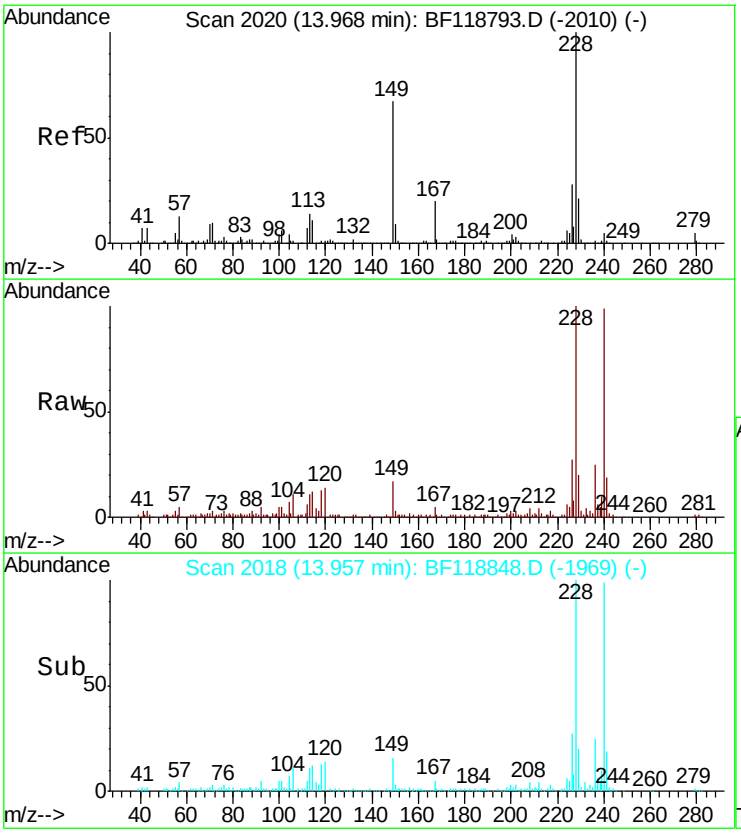
#79
Terphenyl-d14
Concen: 57.901 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:244 Resp: 2883465

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	10.4	8.9	13.3

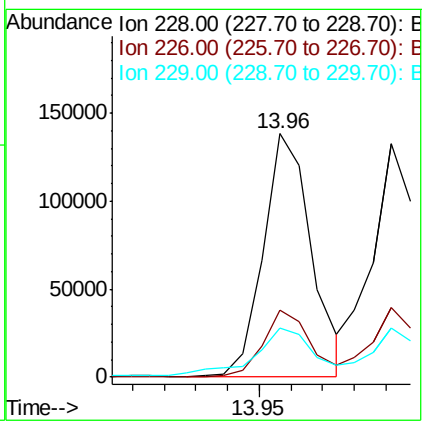


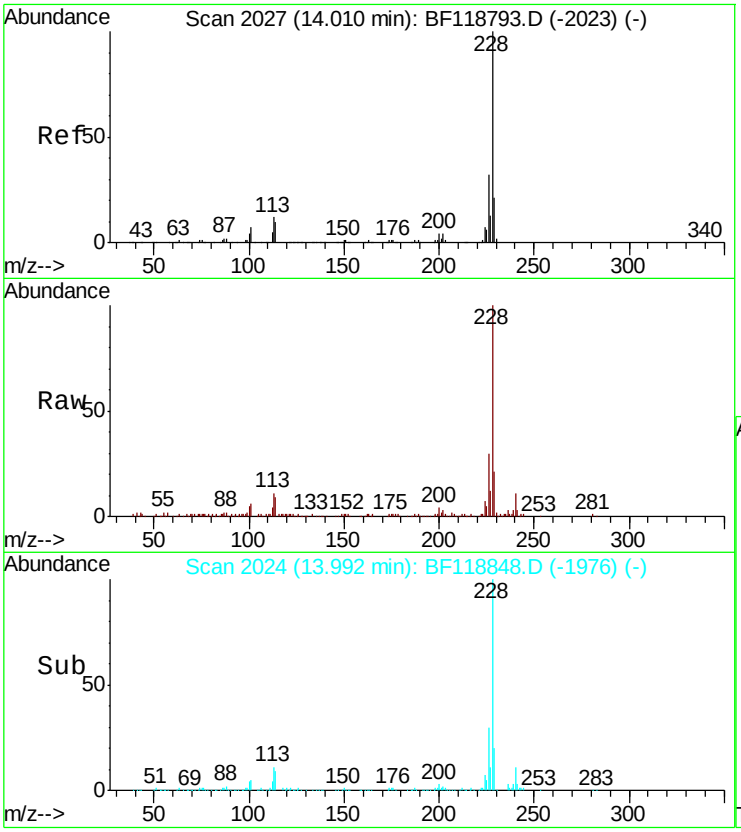


#81
Benzo(a)anthracene
Concen: 2.394 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:228 Resp: 145729

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.7	34.1
229	20.2	16.6	25.0



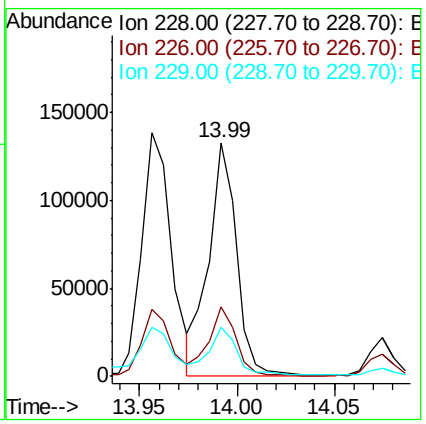


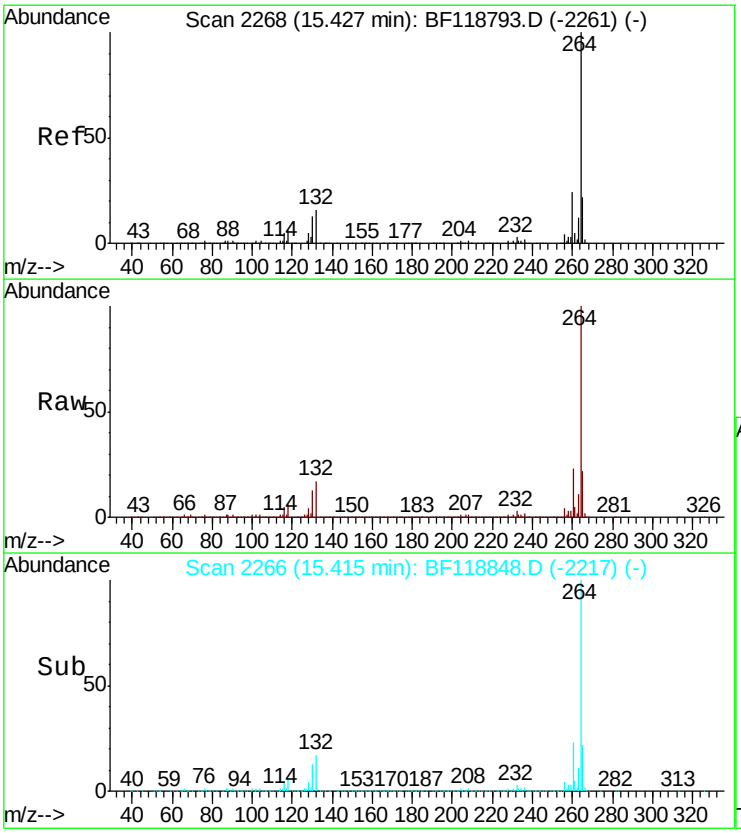
#83
Chrysene
Concen: 2.171 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:228 Resp: 132607

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.0
229	20.7	16.9	25.3





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118848.D
Acq: 7 Feb 2020 14:08

Tgt Ion:264 Resp: 1016079

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	22.1	17.2	25.8